

Algorithm : Emotion Detection (Hack the Talk)

Step 1 : Manual Annotation – Manually extract specific samples from the given training set and annotated them manually.

Step 2 : MFCC , DELTA MFCC and DELTA SQUARE MFCC :

For each 15 ms window frame of the manually annotated audio samples the first 13 coefficients of MFCC features were computed , along with their delta and delta square values. So the length of the feature vector is 39.

Step 3 : GRADIENT BOOSTED TREE CLASSIFIER :

The classification is performed using a Gradient Boosted Tree Classifier.